

# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

10/633,535 08/05/2003 Yoshihiro Tsukidate 100353-00173 6456 4372 7590 08/01/2005 EXAMINER	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
A DENIE FOX DI LO	10/633,535	08/05/2003	Yoshihiro Tsukidate	100353-00173	6456
ADENT FOV DUI C	4372	7590 08/01/2005		EXAM	INER
	ARENT FOX			LE, THON	IG QUOC
1050 CONNECTICUT AVENUE, N.W.	1050 CONNE	CTICUT AVENUE, N.W.			
SUITE 400 ART UNIT PAPER NUMBE	SUITE 400			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20036	WASHINGTO	N, DC 20036		2827	

DATE MAILED: 08/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    This project   Proje		6) [_] Othe		
Examiner	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notic	ce of Informal Patent Application (PTO-152)	
Examiner Thong Q. Le				
Examiner Thong Q. Le  2827  Period for Reply  As HORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE of THIS COMMUNICATION.  Extensions of time may be available under the provisions of 3 CFR 1:35(a). In no event, however, may a reply be timely filled if the period for reply specified above, the maximum statutory provision of 3 CFR 1:35(a). In no event, however, may a reply be timely filled if the period for reply is periodical above, the maximum statutory provision of 3 CFR 1:35(a). In no event, however, may a reply be timely filled if the period for reply specified above, the maximum statutory provision to this cycle Status  1 If No period for reply is periodical above, the maximum statutory provision to the provision of 17 CFR 1:704(b).  Status  1) Responsive to communication(s) filled on	Attachment(s)			
Examiner Thong Q. Le 2827  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address:  Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 3 CFR 1-39(a). In no event, however, may a reply be timely filed if the period for reply specified above, the mainture (30) days, a reply within the statutory minimum of thirty (30) days will be considered limely. If NO period for reply specified above, the mainture (30) days, a reply within the statutory minimum of thirty (30) days will be considered limely. If NO period for reply specified above, the mainture (30) days, a reply within the statutory minimum of thirty (30) days will be considered limely. If NO period for reply specified above, the mainture statutory minimum of thirty (30) days and the specified specified above, the mainture statutory minimum of thirty (30) days. a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days as reply days and the provided by the Considered limely. If NO period for reply specified above, the mainture of the statutory minimum of thirty (30) days as reply days as reply days and the provided by the Considered limely. If NO period for reply specified above, the mainture of the statutory minimum of the statutory minimum of thirty (30) days as reply days as reply days as the considered limely.  Application is provided the days as a reply days as a reply days as a reply days and the considered limely.  I Status  1) Responsive to communication (5) days as reply days as a reply days and the provided days and the days	A			
Examiner Thong Q. Le 2827  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address:  Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 3 CFR 1-39(a). In no event, however, may a reply be timely filed if the period for reply specified above, the mainture (30) days, a reply within the statutory minimum of thirty (30) days will be considered limely. If NO period for reply specified above, the mainture (30) days, a reply within the statutory minimum of thirty (30) days will be considered limely. If NO period for reply specified above, the mainture (30) days, a reply within the statutory minimum of thirty (30) days will be considered limely. If NO period for reply specified above, the mainture statutory minimum of thirty (30) days and the specified specified above, the mainture statutory minimum of thirty (30) days. a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days. 3 (a) days a reply within the statutory minimum of thirty (30) days as reply days and the provided by the Considered limely. If NO period for reply specified above, the mainture of the statutory minimum of thirty (30) days as reply days as reply days and the provided by the Considered limely. If NO period for reply specified above, the mainture of the statutory minimum of the statutory minimum of thirty (30) days as reply days as reply days as the considered limely.  Application is provided the days as a reply days as a reply days as a reply days and the considered limely.  I Status  1) Responsive to communication (5) days as reply days as a reply days and the provided days and the days	See the attached detailed Office action for a list	or the certified copies	s not received.	
Examiner Thong Q. Le 2827  Period for Repty  As SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Edensions of time may be available under the provisions of 3 °CPR 1.35(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  Edensions of time may be available under the provisions of 3 °CPR 1.35(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  Edensions of time may be available under the inthing (90) days, a reply within the statisticity minimate inthing (30) days, are provided to the following the considered timely.  Flairne to reply veinhin the set or extended period for reply with, by shalute, cause the application to become ABANDONED (33 U.S.C. § 133). Any reply received by the folics later than three months after the mailing date of this communication, even if timely filed, may reduce any seamed patent term adjustment. See 37 °CFR 1.704(b).  Status  1) ☐ Responsive to communication(s) filed on		, , , , , , , , , , , , , , , , , , , ,		
Examiner Thong Q. Le 2827  Period for Repty  As SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 3 CPR 1:39(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  Extensions of time may be available under the provisions of 3 CPR 1:39(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  Extensions of time may be available under the provisions of 3 CPR 1:39(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If NO pend of reply is specified above, the mailium statutory period will apply and will be considered timely.  If NO pend for reply is pendiced above, the mailium statutory pend will apply and use large SIX (6) MONTHS from the mailing date of this communication to become ABANDONED (35 U.S.C. § 133). Any reply-received by the Conditional to the communication is 1 month of the mailing date of this communication to become ABANDONED (35 U.S.C. § 133). Any reply-received by the Condition and provided the mailing date of this communication, even if timely filed, may reduce any earned patient term adjustment. See 37 CFR 1.704(b).  Status  1) □ Responsive to communication(s) filed on			_	
Examiner Thong Q. Le  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 3.7 GFR 1.136(a). In no event, however, may a reply be timely filled after SDx (e) MONTHS from the mailing date of this communication.  If the period for reply is specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SDX (e) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended period for reply will, statuce, cause the application to become ABANDONED (35 tu S.C. § 133).  Any reply received by the Office last than three months after the malling date of this communication, even if timely filled, may reduce any centre plant item adjustment. See 37 CFR 1.704(b).  Status  1)  Responsive to communication(s) filled on				
Examiner Thong Q. Le  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 GTR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the maling date of this communication. If the period for reply is specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the maling date of this communication. Palmer to purply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the maling date of this communication of the properties of the communication of the period properties of the period status.  1 NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the maling date of this communication, even if timely filed, may reduce any exercity about term adjustment. See 37 GTR 1.794(b).  Status  1) Responsive to communication(s) filed on	1. Certified copies of the priority document	ts have been received	I.	
Examiner Thong Q. Le  2827  The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION Extensions of time may be available under the provisions of 3° CFR 1.136(a). In no event, however, may a reply be timely filed stensions of the period for reply is specified above is the than thin y (30) days will be considered timely.  If the period for reply is specified above is the than thin y (30) days will be provided the provisions of 3° CFR 1.136(a). In no event, however, may a reply be timely filed the period for reply within the statutory period will apply and will expire SIX (e) MONTHOS from the mailing date of this community of the period for reply is period for reply is the state than then the application to become ABANDS from the mailing date of this community of the period for reply with the store and the application to become ABANDS from the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1)  Responsive to communication(s) filed on		, ,		
Examiner Thong Q. Le  2827  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed dependence for reply septical above is less than this fy (30) days will be considered timely. If the period for reply septical above is less than this fy (30) days will be shall be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified above is less than this fy (30) days will be considered timely. If NO period for reply is specified timely filed to period for reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is the	12)⊠ Acknowledgment is made of a claim for foreign	priority under 35 U.S	S.C. § 119(a)-(d) or (f).	
Examiner Thong Q. Le  2827  The MA/LING DATE of this communication appears on the cover sheet with the correspondence address of Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after Stx (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory primitive 10 gray and will expire StX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1)  Responsive to communication(s) filed on	Priority under 35 U.S.C. § 119			
Examiner Thong Q. Le  2827  The MA/LING DATE of this communication appears on the cover sheet with the correspondence address of Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after Stx (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory primitive 10 gray and will expire StX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1)  Responsive to communication(s) filed on	11) The oath or declaration is objected to by the Ex	xaminer. Note the atta	ached Office Action or form PTO-152.	
Examiner				
Examiner Thong Q. Le  2827  The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after Six (6) MONTHs from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory mainimum of thirty (30) days will be considered timely.  If No period for reply is specified above, the maximum statutory period will expire SIX (6) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) □ Responsive to communication(s) filed on				
Examiner Thong Q. Le	10) The drawing(s) filed on is/are: a) acc	epted or b) objecte	ed to by the Examiner.	
Examiner Thong Q. Le  2827  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  If the period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication reply with the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) □ Responsive to communication(s) filed on	9) The specification is objected to by the Examine	er.		
Examiner Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on  2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the mer closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) 1-10 is/are allowed.  6) Claim(s) 1-10 is/are allowed.  6) Claim(s) 3-10 is/are objected to.	Application Papers			
Examiner Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the mer closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to.	o/ Orallings/ are subject to restriction and/o	n election requiremen	IL.	
Examiner Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the malling date of this communication If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely If No period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the malling date of this communication to become ABANDONED (35 U.S.C. § 133) Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on  2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the mer closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are rejected.	· · · · · · · · · · · · · · · · · · ·	or election requiremen	<b>1</b>	
Examiner Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply is specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S. C, \$133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the mer closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) 1-10 is/are allowed.	· · · · · · · · · · · · · · · · · · ·			
Examiner Thong Q. Le The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply is specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to proper thing the set of this communication of the provision of the	·			
Examiner Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above, its less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on		wn from consideration	n.	
Examiner  Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on  2a) Responsive to communication(s) filed on  2b) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the men closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.	•			
Examiner  Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on  2a) Responsive to communication(s) filed on  2b) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the men closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.	Disposition of Claims			
Examiner Thong Q. Le 2827  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on  2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the mer	·	_n parte Quayle, 195:	7 O.D. 11, 400 O.G. 213.	
Examiner Thong Q. Le 2827  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to period for reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on  2a) This action is FINAL.  2b) This action is non-final.		•		S IS
The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty, (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on	<i>'</i>		motters proposition as to the asset	. i.a
Examiner Thong Q. Le  The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply sis specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status	• • • • • • • • • • • • • • • • • • • •			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).	_			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address.  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).	Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	g date of this communication,	even if timely filed, may reduce any	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.	after SIX (6) MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, a rep  If NO period for reply is specified above, the maximum statutory period  Failure to reply within the set or extended period for reply will, by statute	ly within the statutory minimum will apply and will expire SIX (i e, cause the application to bec	of thirty (30) days will be considered timely.  3) MONTHS from the mailing date of this communications (35 U.S.C. § 133).	ition.
Office Action Summary  Examiner  Thong Q. Le  2827  The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply	THE MAILING DATE OF THIS COMMUNICATION.		_ , ,	
Office Action Summary  Examiner Thong Q. Le 2827  The MAILING DATE of this communication appears on the cover sheet with the correspondence address		Y IS SET TO EXPIRE	E 3 MONTH(S) FROM	
Office Action Summary Examiner Art Unit Thong Q. Le 2827	The MAILING DATE of this communication ap	pears on the cover she	eet with the correspondence address -	-
Office Action Summany				
10/633,535 TSUKIDATE, YOSHIHII	Office Action Summary	Examiner		
		10/633,535	TSUKIDATE, YOSHIHIRO	)
Application No. Applicant(s)		Application No.	Applicant(s)	

Application/Control Number: 10/633,535 Page 2

Art Unit: 2827

#### **DETAILED ACTION**

1. Amendment filed on 06/06/2005 has been entered.

2. Claims 1-10 are presented for examination.

#### Response to Arguments

3. Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new ground(s) of rejection.

### Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Choi et al. (U.S. Patent No. 6,108,259).

Regarding claim 1, Choi et al. disclose a nonvolatile semiconductor memory device (Figure 1), comprising:

a plurality of blocks (100) each having a memory cell array (ABSTRACT); a reference cell (Figure 2, 250):

a signal line that supplies a reference signal read from said reference cell to each of said plurality of blocks (Column 3, lines 54-67, Column 4, lines 1-5);

a plurality of reference load circuits (Figure 2, 520), each of which is provided in each of said plurality of blocks, and imposes a load on the reference signal that is

Art Unit: 2827

identical to a load imposed on data that is read from said memory cell array (Column 4, lines 14-41); and

a plurality of sensing circuits (Figure 1, 300, ABSTRACT), each of which is provided in each of said plurality of blocks (Figure 2, 100, 500), and compares the data with the reference signal having the load imposed thereon by said reference load circuit so as to sense the data (Column 1, lines 36-40, lines 45-59, Column 4, lines 35-41).

Regarding claim 2, Choi et al. disclose wherein said reference load circuit includes a pass gate that allows the reference signal to go therethrough only in one of the blocks that is selected (Column 1, lines 41-59).

## Allowable Subject Matter

6. Claims 3-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 3-10 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Choi et al. (U.S. Patent No. 6,108,259), and others, does not teach the claimed invention having a Y gate which is provided in each of said plurality of blocks, and selects the data read from said memory cell array, wherein a gate at a last stage of said Y gate and said pass gate are structurally identical as circuit elements, and are driven by the same potential.

Art Unit: 2827

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai V. Ho can be reached on 571-272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Q. Le Primary Examiner Art Unit 2827

THONG LET PRIMARY EXAMINER